WHAT IS CLAIMED IS:

1. A glass coated with a heat reflecting colored film, which comprises a glass substrate, and a first layer containing iron oxide and a second layer containing cobalt oxide, laminated sequentially by a sputtering method on one side of the glass substrate, wherein:

in the first layer, the amount of iron based on the total metal amount is at least 60 mass%, and

in the second layer, the amount of cobalt based on the total metal amount is at least 60 mass%.

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2. A glass coated with a heat reflecting colored film, which comprises a glass substrate, and a first layer containing cobalt oxide and a second layer containing iron oxide, laminated sequentially by a sputtering method on one side of the glass substrate, wherein:

in the first layer, the amount of cobalt based on the total metal amount is at least 60 mass%, and

in the second layer, the amount of iron based on the total metal amount is at least 60 mass%.

3. A glass coated with a heat reflecting colored film, which comprises a glass substrate, and a first layer containing iron oxide, chromium oxide and nickel oxide and a second layer containing cobalt oxide, laminated sequentially by a sputtering method on one side of the glass substrate, wherein:

in the first layer, the amounts of iron, chromium and nickel, based on the total metal amount, are as

follows:

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iron: from 60 mass% to 85 mass%,

chromium: from 10 mass% to 28 mass%, and

nickel: from 5 mass% to 24 mass%, and

in the second layer, the amount of cobalt based on the total metal amount is at least 60 mass%.

4. A glass coated with a heat reflecting colored film, which comprises a glass substrate, and a first layer containing cobalt oxide and a second layer containing iron oxide, chromium oxide and nickel oxide, laminated sequentially by a sputtering method on one side of the glass substrate, wherein:

in the first layer, the amount of cobalt based on the total metal amount, is at least 60 mass%, and

in the second layer, the amounts of iron, chromium and nickel, based on the total metal amount, are as follows:

iron: from 60 mass% to 85 mass%,

chromium: from 10 mass% to 28 mass%, and

nickel: from 5 mass% to 24 mass%.

5. A process for producing the glass coated with a heat reflecting colored film as defined in Claim 1, which comprises:

a step of laminating the first layer on one side of
the glass substrate, by sputtering by means of a metal
oxide target containing iron oxide, and

a step of laminating the second layer on the first

layer, by sputtering by means of a metal target containing cobalt in a sputtering gas atmosphere containing an oxidizing gas, or by sputtering by means of a metal oxide target containing cobalt oxide in a sputtering gas atmosphere containing no oxidizing gas or in a sputtering gas atmosphere containing an oxidizing gas.

6. A process for producing the glass coated with a heat reflecting colored film as defined in Claim 2, which comprises:

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a step of laminating the first layer on one side of the glass substrate, by sputtering by means of a metal target containing cobalt in a sputtering gas atmosphere containing an oxidizing gas, or by sputtering by means of a metal oxide target containing cobalt oxide in a sputtering gas atmosphere containing no oxidizing gas or in a sputtering gas atmosphere containing an oxidizing gas, and

a step of laminating the second layer on the first layer, by sputtering by means of a metal oxide target containing iron oxide.

- 7. A process for producing the glass coated with a heat reflecting colored film as defined in Claim 3, which comprises:
- a step of laminating the first layer on one side of the glass substrate, by sputtering by means of a metal target containing iron, chromium and nickel as components

in a sputtering gas atmosphere containing an oxidizing gas, and

a step of laminating the second layer on the first layer, by sputtering by means of a metal target containing cobalt in a sputtering gas atmosphere containing an oxidizing gas, or by sputtering by means of a metal oxide target containing cobalt oxide in a sputtering gas atmosphere containing no oxidizing gas or in a sputtering gas atmosphere containing an oxidizing gas.

8. A process for producing the glass coated with a heat reflecting colored film as defined in Claim 4, which comprises:

a step of laminating the first layer on one side of the glass substrate, by sputtering by means of a metal target containing cobalt in a sputtering gas atmosphere containing an oxidizing gas, or by sputtering by means of a metal oxide target containing cobalt oxide in a sputtering gas atmosphere containing no oxidizing gas or in a sputtering gas atmosphere containing an oxidizing gas, and

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a step of laminating the second layer on the first layer, by sputtering by means of a metal target containing iron, chromium and nickel as components in a sputtering gas atmosphere containing an oxidizing gas.

9. A glass coated with a heat reflecting colored film, obtained by heat treatment of the glass coated with a

heat reflecting colored film as defined in Claim 1.

- 10. A glass coated with a heat reflecting colored film, obtained by heat treatment of the glass coated with a heat reflecting colored film as defined in Claim 2.
- 5 11. A glass coated with a heat reflecting colored film, obtained by heat treatment of the glass coated with a heat reflecting colored film as defined in Claim 3.
 - 12. A glass coated with a heat reflecting colored film, obtained by heat treatment of the glass coated with a
- 10 heat reflecting colored film as defined in Claim 4.
 - 13. The glass coated with a heat reflecting colored film according to Claim 9, wherein the surface sheet resistance of the film-coated side is at least $10^5~\Omega/\Box$.
 - 14. The glass coated with a heat reflecting colored film according to Claim 10, wherein the surface sheet
- according to Claim 10, wherein the surface sheet resistance of the film-coated side is at least $10^5~\Omega/\Box$.
 - 15. The glass coated with a heat reflecting colored film
 - according to Claim 11, wherein the surface sheet
 - resistance of the film-coated side is at least 10 5 Ω/\Box .
- 20 16. The glass coated with a heat reflecting colored film according to Claim 12, wherein the surface sheet
 - resistance of the film-coated side is at least $10^5 \Omega/\Box$.
 - 17. The glass coated with a heat reflecting colored film according to Claim 9, wherein the visible light
- transmittance is from 20 to 40%, and the visible light reflectance of the film-coated side and the other side is from 20 to 40% and from 10 to 25%, respectively.

- 18. The glass coated with a heat reflecting colored film according to Claim 10, wherein the visible light transmittance is from 20 to 40%, and the visible light reflectance of the film-coated side and the other side is from 20 to 40% and from 10 to 25%, respectively.
- 19. The glass coated with a heat reflecting colored film according to Claim 11, wherein the visible light transmittance is from 20 to 40%, and the visible light reflectance of the film-coated side and the other side is from 20 to 40% and from 10 to 25%, respectively.

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- 20. The glass coated with a heat reflecting colored film according to Claim 12, wherein the visible light transmittance is from 20 to 40%, and the visible light reflectance of the film-coated side and the other side is from 20 to 40% and from 10 to 25%, respectively.
- 21. A process for producing the glass coated with a heat reflecting colored film, which comprises:

a step of coating a ceramic color paste and/or a silver paste on the glass coated with a heat reflecting colored film obtained by the process as defined in Claim 5, and

a step of then carrying out heat treatment.

- 22. A process for producing the glass coated with a heat reflecting colored film, which comprises:
- a step of coating a ceramic color paste and/or a silver paste on the glass coated with a heat reflecting colored film obtained by the process as defined in Claim

6, and

a step of then carrying out heat treatment.

- 23. A process for producing the glass coated with a heat reflecting colored film, which comprises:
- a step of coating a ceramic color paste and/or a silver paste on the glass coated with a heat reflecting colored film obtained by the process as defined in Claim .

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a step of then carrying out heat treatment.

10 24. A process for producing the glass coated with a heat reflecting colored film, which comprises:

a step of coating a ceramic color paste and/or a silver paste on the glass coated with a heat reflecting colored film obtained by the process as defined in Claim

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a step of then carrying out heat treatment.